SOCKETS *will not* Break

Milled from Steel Bars

Cold Drawn by Allen Process

Heat-treated and Hardened

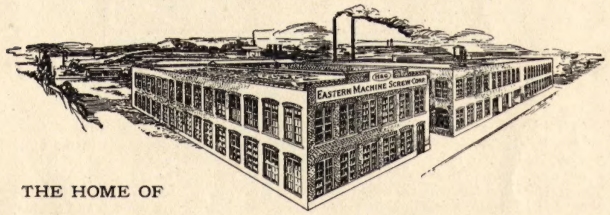
HERETOFORE sockets were either cast, pressed or broached. Mechanics wanted something stronger, something better.

You have it in H & G Sockets.

We start with specially selected steel in bars. This is cut to size, milled down, drilled, cut off and then cold-drawn by the exclusive Allen process to form the flats and intensify the metal. Greater strength is built up by a special process of heat-treating, after which the finishing is done. And if there is anything that distinguishes H & G sets it is the finishing. In the hands of an expert mechanic it is apparent at once.

GUARANTEE

H & G Wrench Sets are guaranteed against faulty material or workmanship. The Sockets are particularly guaranteed not to break or wear round. We know, of course, any part can be broken by misusing it, but we leave it to you to decide if it should be replaced.

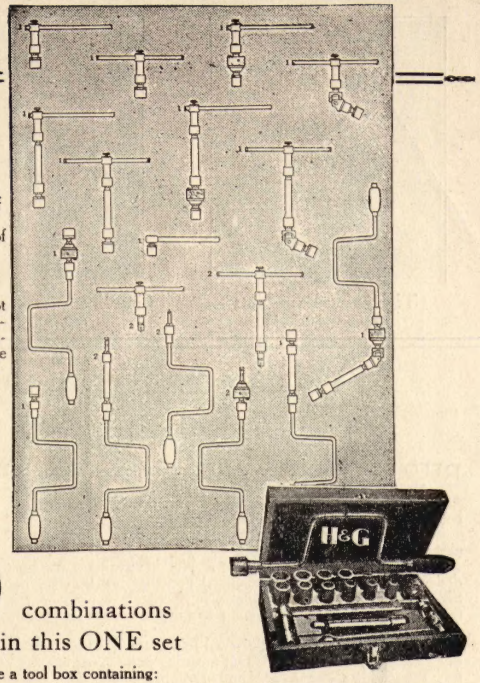


THE HOME OF

H & G SOCKET WRENCH SETS

THE screw machine department of this business is rated as one of the largest users of cold-drawn steel in the country. We have a capactiy of 1,000,000 pieces a week varying from spark plugs to wrench knurls and safety razor handles.

The H & G Die Heads are used in practically all shops where any volume of parts are threaded. In most of the prominent automobile factories it is the standard threading tool.



1 ten of each of these
2 two of each of these

NOTE

This list does not by any means exhaust the combinations that can be made.

140 combinations

All in this ONE set

JUST imagine a tool box containing:

10 Short Tee Handles
10 Long Tee Handles
10 Short Lever Wrenches
10 Long Lever Wrenches
10 Speed Wrenches
10 Long Speed Wrenches
10 Short Wrenches with Ratchet
10 Long Wrenches with Ratchet
10 Short Wrenches with Universal
10 Long Wrenches with Universal
10 Special Wrenches with Ratchet
10 Long Speed Wrenches with Ratchet
10 Box Wrenches
2 Short Screw Drivers*
2 Long Screw Drivers*
2 Speed Screw Drivers*
2 Long Speed Screw Drivers*
2 Screw Drivers with Ratchet

*Blades can be removed and horn type valve grinder inserted

HERE you have everything you need in the way of a wrench, assembled in one *small* box--compact, accessible, equal to every requirement and always a perfect joy to use. Universal Set comes complete with sockets for the following nuts, 7-16 in., 1-2 in., 9-16 in., 5-8 in., 11-16 in., 3-4 in., 13-16 in., 7-8 in., 15-16 in., 1 in., adjustable Tee handle, reversible ratchet, universal joint, extension piece, screw drivers, box wrench and hardwood box. Ordinarily this wrench set would sell at a high price, but our ideal equipment and small overhead enable us to market them at attractive prices.

You take your H & G set with you when you go on a job and at your finger ends all the time you have ALL the wrenches you will need.

With the old way you were constantly running back and forth for a different size, eventually carrying an armful to the car to be sure.

You save time on every nut when you use an H & G set.

In ordering please state whether you want Universal Set *with* or *without* Speed *Handle.*

The Admiration of Mechanics

NOT *just another* socket wrench set *but* something entirely NEW and DIFFERENT; STRONGER and BETTER.

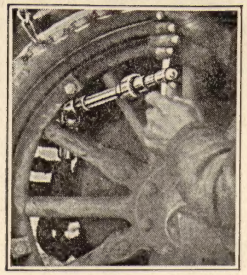
INDISPENSABLE for efficient automobile repairing and assembling. Equivalent to 140 single-purpose tools.

The result of scientific designing, manufacturing and finishing. All parts are heat-treated and hardened.

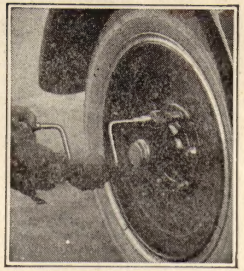
Socket will not break--fully guaranteed.

Universal H&G Wrench Set

C. W. MARWEDEL
Established 1872
Tools, Metal, Shop Supplies
76 FIRST ST., SAN FRANCISCO, CALIF.

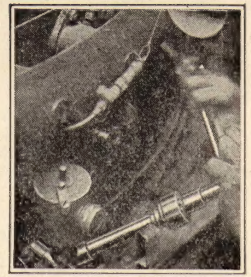


Adjusting Brakes
on All Cars

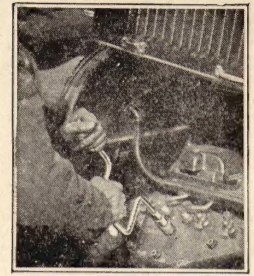


Changing Tires
A Wrench for Any Style

Tightening Base Nuts
Packard Twin



Gasoline Pressure Pump Nut
Pierce-Arrow



Tightening Cylinder Head
Cadillac

Bottom Hose Connection
on Pierce-Arrow Radiator

Size of Standard Bolts and Hexagon Heads

S. A. E. ST'D SCREWS		HEX. HEAD CAP SCREWS		U. S. ST'D BOLTS	
Size	Size of Hex.	Size	Size of Hex.	Size	Size of Hex.
1/4	7/16*	1/4	7/16*	1/4	1/2*
5/16	1/2*	5/16	1/2*	5/16	19/32†
3/8	9/16*	3/8	9/16*	3/8	11/16*
7/16	5/8*	7/16	5/8*	7/16	25/32†
1/2	3/4*	1/2	3/4*	1/2	7/8*
9/16	7/8*	9/16	13/16*	9/16	31/32†
5/8	15/16*	5/8	7/8*	5/8	1-1/16†
11/16	1*	3/4	1*	3/4	1-1/4

*Sizes in H & G Universal Wrench Set
†Sizes available as extras
Special Square Sockets as follows; 3/8-1/2-9/16-5/8

50 Speed Wrenches

TO handle repair jobs with efficiency and like an expert, you need a complete assortment of speed wrenches. Some of which you will need only on rare occasions, others every minute.

To buy a special wrench for each job is foolhardy when with the H & G Wrench Set and speed handle you have:

10 Short and 10 Long Speed Wrenches
10 With Ratchet and 10 with Universal Joint, and
10 Combinations Ratchet and Universal Joint.

This gives you fifty speed wrenches--of every kind and size you need. The investment is only a fraction of what the equivalent would cost in single-purpose wrenches.

A Statement by the Manufacturer

BEFORE the advent of the H & G, all wrench sets seemed lacking in one fundamental requisite or another.

Sometimes it was *completeness*. More often it was *strength*. *Cheapness* was conspicuous. Improvements could be made.

We began by developing sockets that we could *guarantee not to break*, for this part is the heart of any socket set.

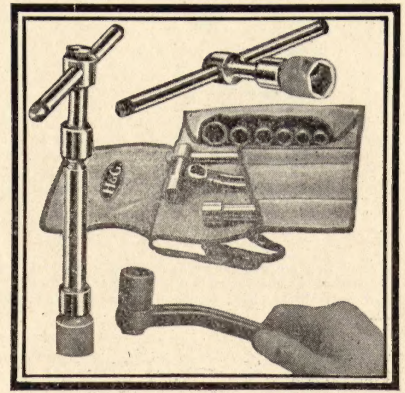
Next, we developed a Ratchet. Nothing available was good enough. We designed our own. An individual unit that can be combined with each part. Simple in construction, dependable in operation--a reversible ratchet that *always* ratchets. To reverse, simply raise pin in the end of the plunger and drop back in the reverse position.

Then we provided the Universal Joint. It will not foul, possesses smooth action, great strength and reliability. Not a casting or a forging like the others, but *milled* from the solid bar, *heat-treated* and *hardened* in the same manner as all the other parts.

In designing the Adjustable Tee Handle we accomplished a real mechanical achievement, and the Extension, the Box Wrench, the Speed Handle and Inserted Blade Screw Drivers, also represent the last word in design, quality and serviceability which all good mechanics appreciate.

These several features, especially those of Quality, Strength and Completeness combined, raise the H & G set to a new high standard--make it an absolute necessity to the mechanic who takes pride in work that is economically and efficiently completed.

THE EASTERN MACHINE SCREW CORPORATION
NEW HAVEN, CONNECTICUT



H & G JUNIOR WRENCH SET

THIS new set is especially designed for car owners. The workmanship and material is the same as in the Universal set. The sockets are made in the same way, cold-drawn to hexagon size, carbonized, heat-treated and hardened. Thirty per cent. stronger than sockets made in any other way. The set comes with six sockets for the following hexagon nuts--1-2 in., 9-16 in., 5-8 in., 11-16 in., 3-4 in. and 15-16 in. an adjustable T handle, extension piece, box wrench and double, thick, waterproof container that rolls up in compact rattleproof fit.

SOME OF THE 2,500 WAYS YOU CAN USE AN H & G WRENCH SET

Adjusting Brakes--The brake bolt jinx vanishes at the sight of the H & G wrench set. Look at the photograph above. The socket fits the adjustment bolts exactly. This combination brings handle out in the *open* for powerful leverage.

Changing Tires--With the H & G set you can do this little job in a few minutes without getting all mussed up. From your 10 sockets you select the right size, clap on the speed or tee handle and off come the nuts. There's nothing better.

Hard-To-Get-At-Nuts--You will never be stumped with an H & G wrench set close at hand. With the various 140 combinations you can make you can reach every nut on every car made irrespective of age, make or model.

Valve Grinding--You can make a perfect valve grinder by removing the blade of the H & G screw driver and inserting a horn type of grinder. You have a nicely balanced tool with which you can twirl a satin-finish valve seat in a few seconds.

Dropping Crank Cases--Tiresome work if you don't have the right tools. You need speed wrenches. In the H & G set you have the size and style you want and you clap the parts together quicker than you can chase to a tool crib and find it.

Re-Assembling Work--After removing the carbon and getting the head back on the motor you want to screw it down tight. With the H & G Tee handle and Ratchet you can make a cylinder head wrench that is equal to a special wrench.